

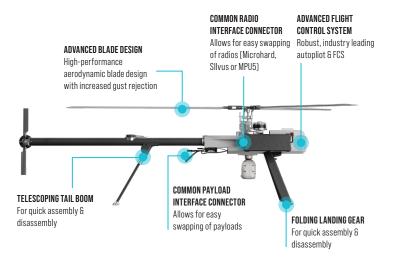




The VAPOR 55 MX is a highly versatile all-electric helicopter UAS, designed to adapt to diverse mission requirements. Its modular design supports seamless integration with advanced payloads like Trillium's HD55-MVS-LD, offering a comprehensive suite of capabilities that make it an essential tool for precision targeting and battlefield support, even in jamming-prone, contested environments.

Equipped with the HD55-MSV-LD, the VAPOR 55 MX provides high-definition electro-optical and infrared imagery, coupled with laser designation for precise target engagement. The VAPOR 55 MX empowers maneuver forces with the ability to direct laser-guided munitions and conduct real-time battle damage assessment (BDA), ensuring accurate and timely mission feedback.

VAPOR[®] 55 MX TRILLIUM HD55-MVS-LD PAYLOAD





6.5"

VAPOR 55 MX SPECIFICATIONS

RANGE	Up to 20 miles (32 km) with Silvus & MPU5 radios
GROUND SPEED LIMIT	33 mph (15 m/s)
DIMENSIONS	Aircraft: 6 ft x 2.2 ft x 2.1 ft (1.8 m x 0.67 m x 0.64 m) Rotor Diameter: 7.5 ft (2.29 m)
OPERATING ALTITUDE	0-12,000 ft (3,657 m) MSL (density)
ENVIRONMENTAL Operational limits	Min: 0 °F (-17 °C) Max: 120 °F (49 °C)
MAX WIND PEAK	Sustained: 34.5 mph (30 kts)
DATA LINKS	900 MHz, 2.4 GHz or 5.8 GHz (Video), Silvus, Persistent Systems, MicroHard
GROUND CONTROL	Live GPS position, full authority control, automatic or manual flight

KEY FEATURES

- » Sleek, modular airframe design for easy assembly & disassembly
- Flexible core architecture—key enabler for continuous development that will allow for seamless extensions & upgrades
- Modular radio options—seamlessly operate with a low-cost encrypted radio or swap to hardened military radio

HD55-MVS-LD SPECIFICATIONS

WEIGHT	2700 g
CAMERAS	Visible Rolling Shutter 3x MWIR with 10x continuous zoom lens SWIR Camera
FOV	EO: HFoV 13.6° to 4.6° 1280x720 MWIR: HFoV 22° to 2.2° 640x512 SWIR: LD See Spot, HFoV: 5.7° 640x512
LASER TARGET Designator	50 mJ STANAG compliant coded laser
ONBOARD GPS/INS	Accurate real-time vehicle and target location
LASER RANGE FINDER	3 km NATO Standard
NVG-COMPATIBLE Laser Pointer	850 nm laser for precise discreet pointing available

KEY FEATURES

- » Onboard h.264/h.265 compression with adjustable bitrate
- >>> Field upgradable software
- » Onboard electronic stabilization
- » Onboard scene tracking
- » Object target tracking/MTI

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